

IN THE CLAIMS:

Please amend Claims 1, 10, 20, and 23, as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

1. (Currently Amended) A method of transcoding digital data coded according to a first coding mode into digital data coded according to a second coding mode, the method comprising the steps of:

receiving, from a plurality of resources, a signal representing a state of the resource;

detecting, by a processor, an inactivity of resources based on the state of each resource; and

transcoding, by a transcoder, the digital data coded according to the first coding mode into the digital data coded according to the second coding mode, when the inactivity is detected,

wherein the second coding mode includes determining an amplitude model and a path defining an ordered series of locations amongst the digital data ~~wherein so that~~ the amplitude of the k^{th} coefficient in said series is determined by the ordinate corresponding to the abscissa k according ~~data along said path corresponds~~ to said amplitude model, and coding said path.

2. (Previously Presented) The method according to Claim 1, further comprising the steps of:

detecting a request demanding digital data coded according to the first coding mode;

verifying that the digital data demanded is coded according to the second coding mode; and

transcoding the digital data coded according to the second coding mode into the digital data coded according to the first coding mode, if a result obtained in the verifying step is positive.

3. (Previously Presented) The method according to Claims 1 or 2, further comprising the step of:

selecting an order of transcoding of the digital data coded according to the first coding mode into the digital data coded according to the second coding mode.

4. (Previously Presented) The method according to Claim 3, wherein the order of transcoding is determined according to a size of files containing the digital data to be transcoded.

5. (Previously Presented) The method according to Claim 3, wherein the order of transcoding is determined according to a frequency of requests for files containing the digital data to be transcoded.

6. (Previously Presented) The method according to Claims 1 or 2, wherein the first coding mode is a coding according to the JPEG standard.

7. (Previously Presented) The method according to Claims 1 or 2, wherein the first coding mode is a coding according to the JPEG2000 standard.

8. (Canceled)

9. (Previously Presented) The method according to Claims 1 or 2, wherein the digital data is a digital image.

10. (Currently Amended) A device for transcoding digital data coded according to a first coding mode into digital data coded according to a second coding mode, the device comprising:

means of detecting an inactivity of resources useful for the transcoding; and

means of transcoding the digital data coded according to the first coding mode

into the digital data coded according to the second coding mode, when the inactivity is detected,

wherein the second coding mode includes determining an amplitude model and a path defining an ordered series of locations amongst the digital data ~~wherein so that~~ the amplitude of the k^{th} coefficient in said series is determined by the ordinate corresponding to the abscissa k according ~~data along said path corresponds~~ to said amplitude model, and coding said path.

11. (Previously Presented) The device according to Claim 10, further comprising:

means of detecting a request demanding digital data coded according to the first coding mode;

means of verifying that the digital data demanded is coded according to the

second coding mode; and

means of transcoding the digital data coded according to the second coding mode into digital data coded according to the first coding mode, if a result of said means of verifying is positive.

12. (Previously Presented) The device according to Claims 10 or 11, further comprising:

means of selecting an order of transcoding of the digital data coded according to the first coding mode into the digital data coded according to the second coding mode.

13. (Previously Presented) The device according to Claim 12, adapted to determine the order of transcoding according to a size of files containing the digital data to be transcoded.

14. (Previously Presented) The device according to Claim 12, adapted to determine the order of transcoding according to a frequency of requests for files containing the digital data to be transcoded.

15. (Previously Presented) The device according to Claims 10 or 11, wherein the first coding mode is a coding according to the JPEG standard.

16. (Previously Presented) The device according to Claims 10 or 11, wherein the first coding mode is a coding according to the JPEG2000 standard.

17. (Canceled)

18. (Previously Presented) The device according to Claims 10 or 11, adapted to process digital data which is a digital image.

19. (Previously Presented) The device according to Claims 10 or 11, wherein the detection and transcoding means are incorporated in:

a microprocessor,

a read only memory containing a program for processing the digital data, and

a random access memory containing registers adapted to record variables modified during an execution of the program.

20. (Currently Amended) A digital data processing apparatus, comprising a processor and transcoder adapted to implement the steps of:

receiving, from a plurality of resources, a signal representing a state of the resource;

detecting an inactivity of resources based on the state of each resource; and

transcoding the digital data coded according to the first coding mode into the digital data coded according to the second coding mode, when the inactivity is detected,

wherein the second coding mode includes determining an amplitude model and a path defining an ordered series of locations amongst the digital data ~~wherein so that~~ the amplitude of the k^{th} coefficient in said series is determined by the ordinate corresponding to the abscissa k according ~~data along said path corresponds~~ to said amplitude model, and coding said path.

21. (Previously Presented) A digital data processing apparatus, comprising the device according to Claims 10 or 11.

22. (Previously Presented) The digital data processing apparatus according to Claim 20, wherein the apparatus forms part of a peer-to-peer network.

23. (Currently Amended) A digital photographic apparatus, comprising:
a detector configured to detect an inactivity of resources useful for transcoding;
and
a transcoder configured to transcode the digital data coded according to a first coding mode into the digital data coded according to a second coding mode, when the inactivity is detected,
wherein the second coding mode includes determining an amplitude model and a path defining an ordered series of locations amongst the digital data ~~wherein so that~~ the amplitude of the k^{th} coefficient in said series is determined by the ordinate corresponding to the abscissa k according ~~data along said path corresponds~~ to said amplitude model, and coding said path.

24. (Previously Presented) A digital photographic apparatus, comprising the device according to Claims 10 or 11.

25. (Previously Presented) A computer-readable storage medium storing a computer program for implementing the method according to Claims 1 or 2.

26. (Previously Presented) The computer-readable storage medium according to Claim 25, wherein the computer-readable storage medium is detachably mountable on the device according to Claims 10 or 11.

27. (Previously Presented) A computer-readable storage medium according to Claim 25, wherein the computer-readable storage medium is a floppy disk or a CD-ROM.

28. (Canceled)